



RAINER SOOS
WA/ AIMS MEASURER – A
KANZELWEG 8
9220 VELDEN AM WÖRTHERSEE
AUSTRIA

MOBIL - +43 699 / 121 11 340
E-MAIL: aims.austria@gmail.com
www.laufvermessung.at

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COURSE MEASUREMENT REPORT: “OICHTENTAL LAUF” HALFMARATHON

This is a measurement of a Halfmarathon, a 10km and 5km race at Nußdorf near Salzburg.

After recalibration, the exact turning point of the 5 km lap and the exact turning point of the first lap (6097,5m) of the halfmarathon was fixed.

I was accompanied by the organizer by bike.

APPLICATION FOR CERTIFICATION OF A ROAD COURSE

NAME OF COURSE: “Oichtental- Lauf”, Halfmarathon

DATE OF EVENT: 14.04.2024

ADVERTISED RACE DISTANCE: 21097,5 m (one lap of 6097,5m and three laps of 5000m)

LOCATION OF START: Nußdorf in front of Hauptstraße 22, opposite the “Spar Market” (variable)

LOCATION OF FINISH (IF DIFFERENT): -

DIFFERENCE IN HEIGHT BETWEEN START AND FINISH: -

DIFFERENCE IN DISTANCE BETWEEN START AND FINISH [in % of the race distance]: -

OFFICIAL AIMS/WA COURSE MEASURER:

Rainer Soos
Kanzelweg 8
A - 9220 Velden am Wörthersee
Tel: 0043 699 121 11 340

RACE DIRECTOR (IF COURSE IS MEASURED FOR SPECIFIC EVENT)

NAME: **Florian Rausch (frausch@gmx.at)**
ADDRESS: **5114 Göming, Kematin 34**

DATE of the MEASUREMENT: 08.03.2024

TYPE OF TERRAIN: FLAT ROLLING HILLY

ALTITUDE:

START: 435 m HIGHEST: 440 m LOWEST: 420 m FINISH: 435 m

TYPE OF COURSE: **4x** OUT & BACK ~~POINT TO POINT~~ ~~LOOP COURSE~~

DETAIL OF CALIBRATION COURSE

NAME OF EVENT: "Oichtental-Lauf" Halfmarathon

NAME OF CALIBRATION COURSE: Feldweg bei Steinbach

LENGTH OF CALIBRATION COURSE: 150 m

CITY: Nußdorf am Haunsberg

DATE MEASURED: 08.03.2024

METHOD USED TO MEASURE CALIBRATION COURSE: steel tape

HOW ARE START AND FINISH POINTS MARKED: survey nails

MEASURING TEAM LEADER:

Rainer Soos
Kanzelweg 8
9220 Velden am Wörthersee
Tel.: +43 699 12 11 13 40

BICYCLE CALIBRATION DATA SHEET

DATE OF MEASUREMENT: 08.03.2024

LENGTH OF CALIBRATION COURSE: 150 m

PRE - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	467000	468711	1711
2	468711	470421	1710
3	470421	472133	1712
4	472133	473844	1711

time of day: 02:00 pm

temperature: 10 °C

PRE-MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rclcl}
 6844 & : & 4 & = & 1711 \\
 11406,66667 & \times & 1,001 & = & 11418,073333
 \end{array}
 \quad = \quad 11406,66667 / \text{km}$$

WORKING CONSTANT

POST - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	561000	562711	1711
2	562711	564423	1712
3	564423	566135	1712
4	566135	567847	1712

time of day: 03:30 am

temperature: 10 °C

POST-MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rclcl}
 6747 & : & 4 & = & 1711,75 \\
 11411,66667 & \times & 1,001 & = & 11423,07883
 \end{array}
 \quad = \quad 11411,66667 / \text{km}$$

FINISHING CONSTANT

CONSTANT OF THE DAY: 11420,57583 per km

average of both Working Constant and Finishing Constant = Constant of the Day

COURSE MEASUREMENT DATA SHEET

DATE: 08.03. 2024

CONSTANT FOR THE DAY: 11420,57583 counts/km

START TIME: 02:20 pm

TEMPERATURE: 10 °C

FINISH TIME: 03:00 pm

TEMPERATURE: 10 °C

MEASUREMENT 1: one lap of 5km

START COUNT 1: 478000

FINISH COUNT 1: 535145

DIFFERENCE 1: 57145

LENGTH OF COURSE AS MEASURED: 5003,69 m

The lap will be too long.

We moved the virtuell turning point: 1,85m direction Nußdorf.

The course will be 1 lap of 6097,5 and 3 laps of 5000m.

MEASUREMENT 2: virtuell turning point north → new turning point to get the 6097,5m

START COUNT 2: 541000

FINISH COUNT 2: 547288

DIFFERENCE : 6288

LENGTH OF COURSE AS MEASURED: 550,59 m (x 2 = 1101,18m)

Calculation of the first lap: 5003,69m + 1101,18m = 6104,87m

The first lap is to long: 7,37m

We moved the virtuell turning point of the first lap 3,69m direction Nußdorf.

Calculation of the course:

1 laps: 6097,51 m

3 laps of 5000m: 15000,00 m

21097,51 m

Description of the course

Start: Nußdorf opposite of the “Spar” market, in front of Hauptstraße 22 (variable)

1. lap (6097,5m):

Nußdorfer Landesstraße direction north → turning point near Steinbach → Nußdorf →

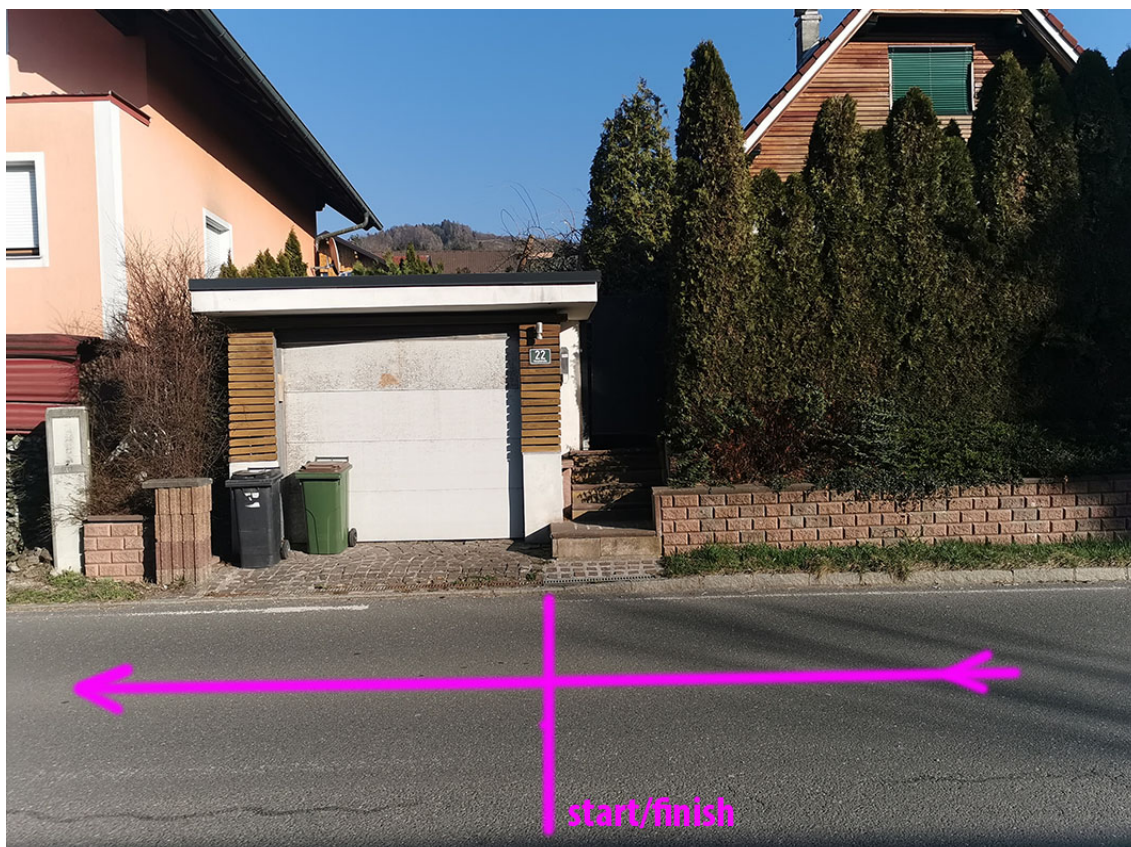
Nußdorfer Landesstraße direction south → turning point at Waidach → back direction Nußdorf (start/finish line)

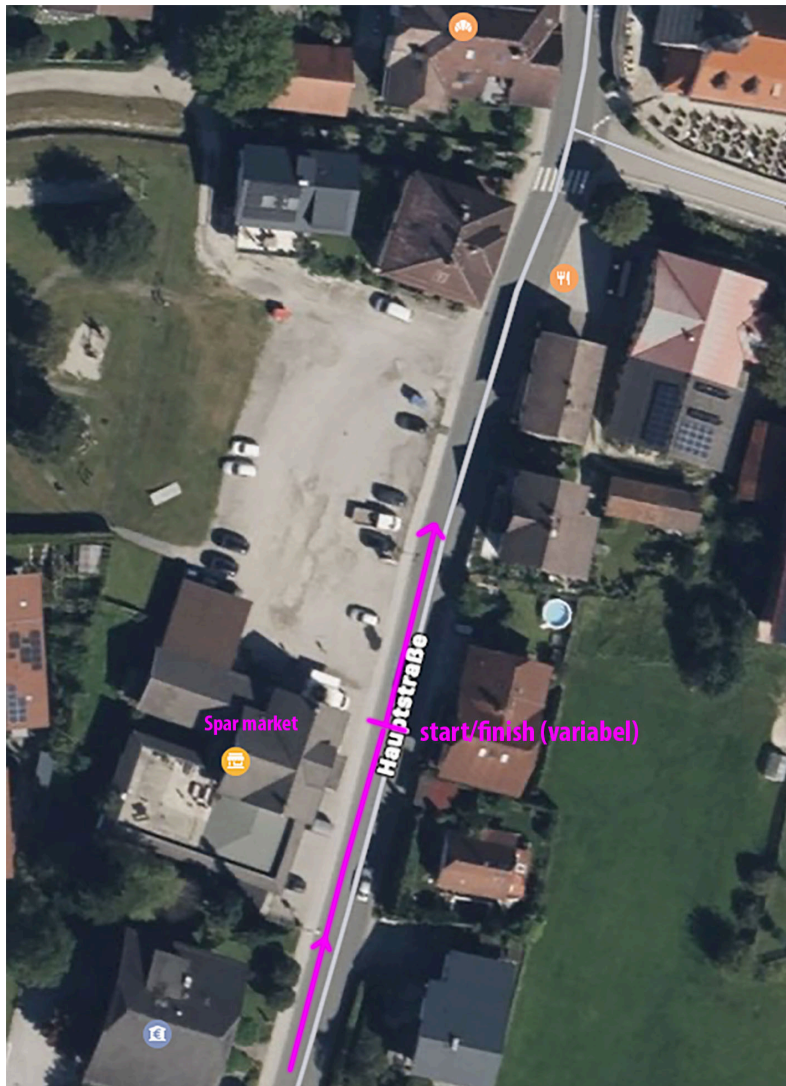
2. – 4. lap of 5000m

Nußdorfer Landesstraße direction north → turning point near Steinbach → back direction Nußdorf →

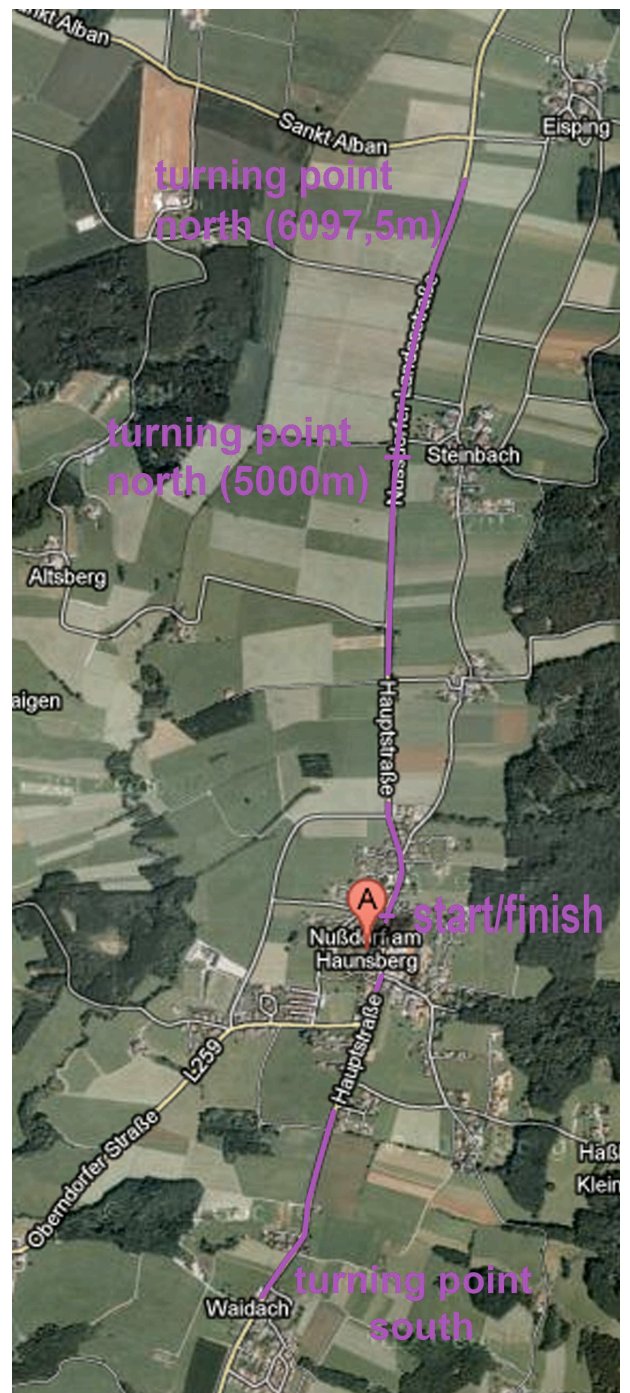
Nußdorfer Landesstraße direction south → turning point at Waidach → back direction Nußdorf (start/finish line)

finish: Nußdorf opposite of the „Spar“ market (variable), Hauptstraße 22



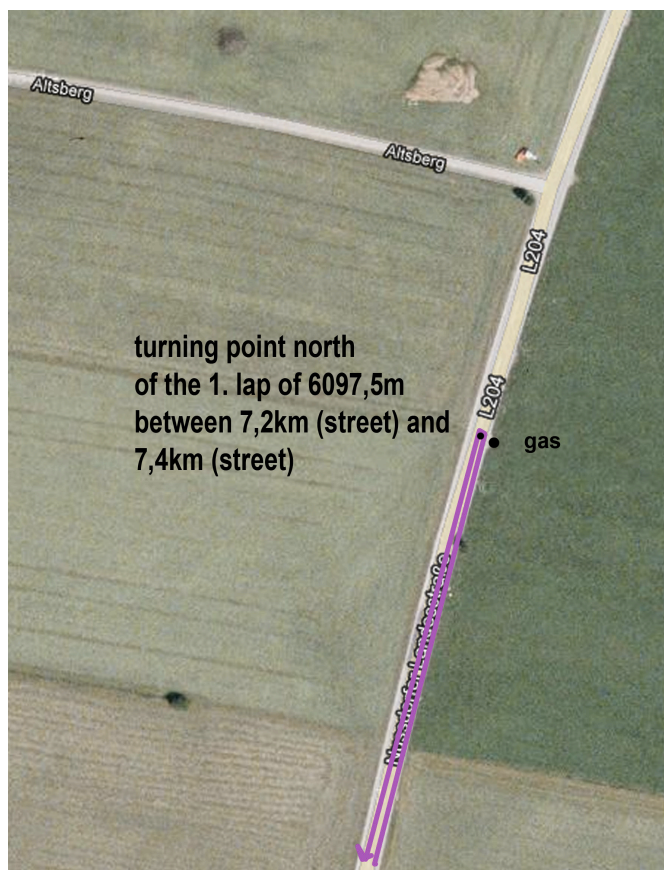


start/finish of the race

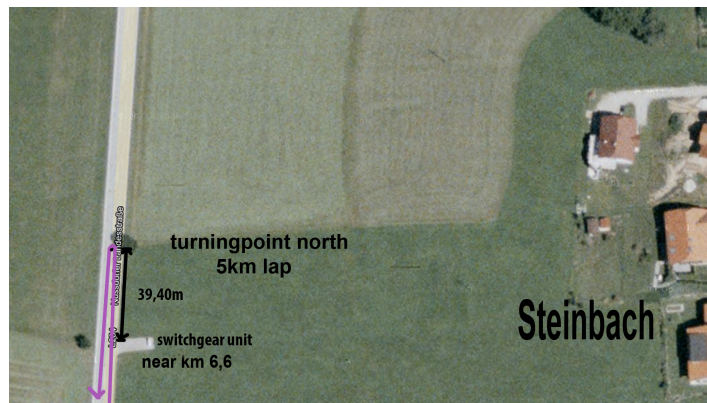




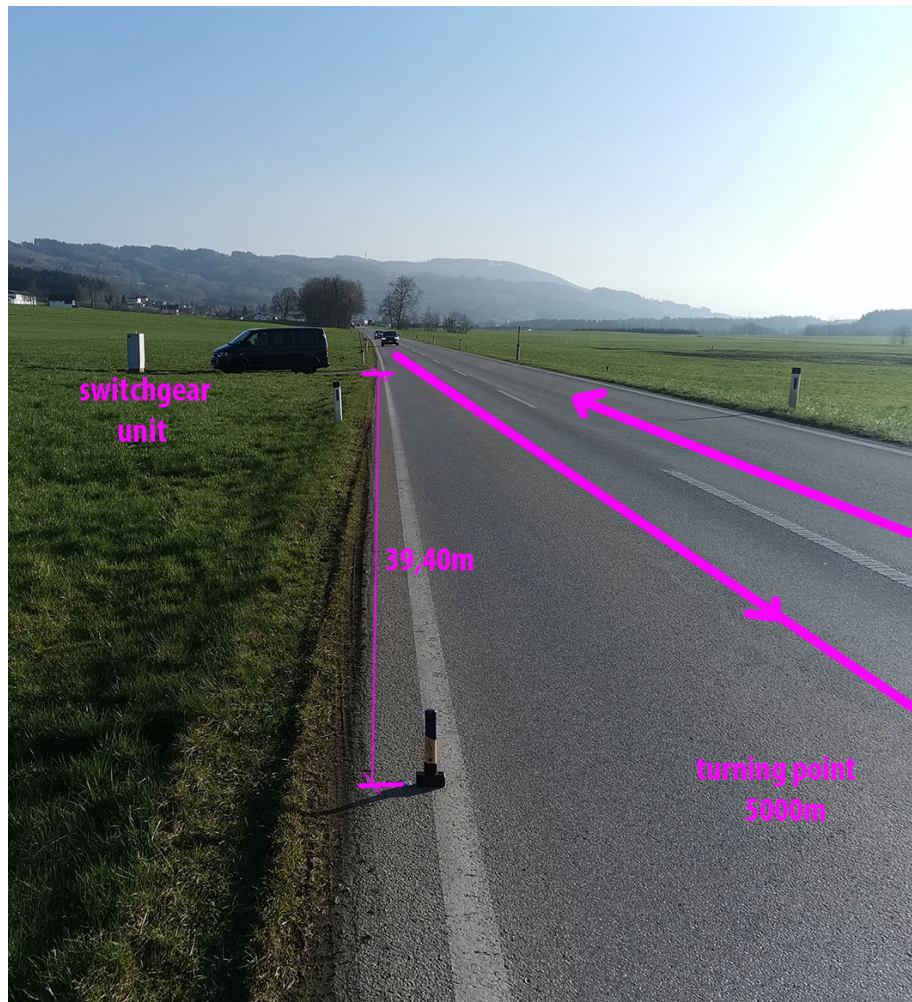
turning point south



turning point north of the 1. Lap



turning point north of the lap of 5km near switchgear unit (39,40m direction north)



turning point 5000m



provisional
**ROAD RACE
COURSE MEASUREMENT
CERTIFICATE**

Name of Race:	"Oichtental-Lauf" Halfmarathon (Salzburg)		
Location:	Nussdorf am Haunsberg	Country:	Austria
Date of Race:	14.04.2024	Distance of Race:	21097,5 m
Measured Distance of Course:	21097,5m	Date Measured:	08.03.2024
Altitude (in metres above sea level)			
Start: 435 m	Highest: 440 m	Lowest: 420 m	Finish: 435 m
Type of Course:	Loop course		
Local Race Measurer:	Florian Rausch (frausch@gmx.at)		
Address:	5114 Göming, Kematin 34		
Method of Measuring:	Bicycle	Steel tape	
IAAF Approved Course Measurer:	Rainer Soos		
Address:	Kanzelweg 8 9220 Velden am Wörthersee Austria		

This is to certify that the course described above and defined by the attached map has been measured and approved for certification. The course measurement complies with WA Rules for Road Race Course Measurement and the measured distance is not less than the official distance for the event. It remains valid for five years. Any modification of the course, however minimal, will require a new official measurement.

Signature
WA Approved Course Measurer

08.03.2024
Date